

**Notice of Allowability**

Application No.

09/821,347

Examiner

Lewis A. Bullock, Jr.

Applicant(s)

KARDACH, JAMES P.

Art Unit

2195

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed February 3, 2006.
2. ☒ The allowed claim(s) is/are 1-21.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

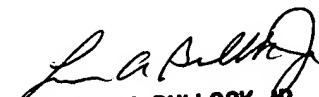
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☒ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☒ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
LEWIS A. BULLOCK, JR.  
PRIMARY EXAMINER

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Marina Portnova on June 8, 2006.

The application has been amended as follows:

The claims are amended to correct 35 U.S.C. 112 2<sup>nd</sup> paragraph issues and multiple claim informalities:

- Claim 19, line 3, replace "a processor" with "A primary host processor".
- Claim 19, line 5, replace "a primary" with "the primary".
- Claim 19, line 5, replace "a computer" with "the computer".
- Claim 20, line 4, replace "a computer" with "the computer".

Claim 21 (currently amended) The medium of claim 20, ~~further comprising machine-accessible instructions that when executed by the computer system, cause the computer system to further perform the method of claim 16 wherein a~~ low-level portion of the baseband processing associated with the wireless communication protocol is done by a radio module independent of the processor wherein the wireless communication protocol is a Bluetooth protocol, and the low

level portion of the baseband processing is in accordance with the Bluetooth link management protocol.

2. The following is an examiner's statement of reasons for allowance: The claims are allowable for at least the following reason. The cited claims detail either 1) the host processor coupled to the high-level baseband controller and having a first portion comprising of a real time event circuit, to process real-time events received from the controller and associated with the wireless communication protocol to thereby initiate execution of a real-time event handler (claims 1-13) or 2) processing a real-time event event associated with a wireless communication protocol in real-time using a real-time event handler initiated by a real-time event circuit within the processor wherein the processing of the event allows for the maintaining of the wireless communication protocol and to perform a high-level portion of baseband processing associated with the wireless communication protocol by the processor independent of the operating system (claims 14-21). None of the cited prior art of record disclose the above limitations. The prior art of record either details maintaining a wireless communication protocol between a radio controller and a processor or a processor having a circuit capable of event / interrupt handling of real-time events and other events. There is no motivation either attributed within the references or available to one of ordinary skill in the art to combine the teachings of the distinct reference to thereby disclose Applicant's invention without

performing impermissible hindsight which is improper as disclosed in the M.P.E.P.

Therefore the claims are allowable over the cited prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lewis A. Bullock, Jr. whose telephone number is (571) 272-3759. The examiner can normally be reached on Monday-Friday, 8:30 a.m. - 5:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng An can be reached on (571) 272-3756. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

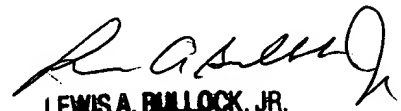
Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

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For more information about the PAIR system, see <http://pair-direct.uspto.gov>.

Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

June 9, 2006



LEWIS A. BULLOCK, JR.  
PRIMARY EXAMINER